Title: KIBOSOME STRUCTURE AND PROTEIN SYNTHESIS INHIBITORS Inventors: Steiz et al. Serial No. 10.072,634 Aug Docket No. 180072,634 Aug Docket No. 180005 Aug: Diana M. Steel Express Mail Mailing Label No. E1.953456511US Sheet 12 of 36

N-amino-A Peptidyl-transferase Intermediate

Minihelix acylated

CCdAp-Puromycin

peptide

 $\mathbf{\omega}$

phosphorus

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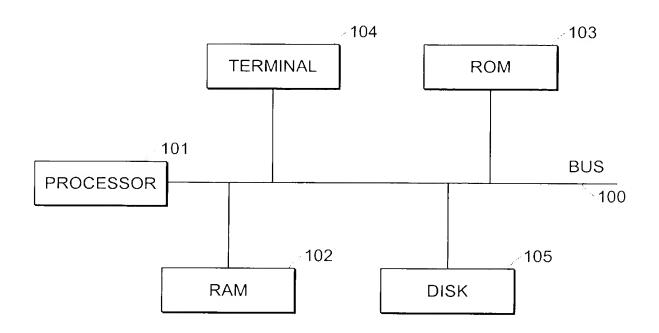


FIG. 31

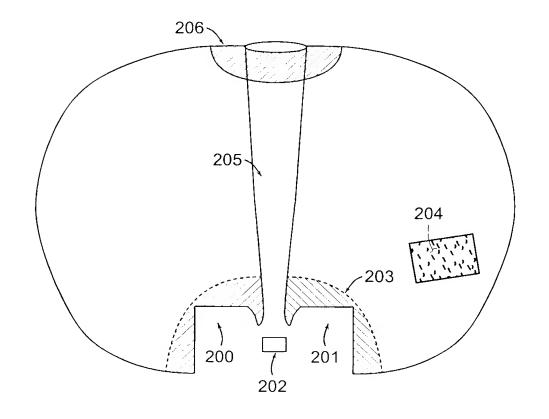


FIG. 32

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FIG. 34

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HO CH_3 Chloramphenicol H// NO₂ CI 0= Sparsomycin N H ОН Н ĊI HO ÇН₃ NO_2 NH N **▲** OH O n = 1, Sparsochloramphenicol Hybrid A Н n = 2, Sparsochloramphenicol Hybrid B

FIG. 35

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FIG. 34

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CH₃ Chloramphenicol 0 H// NO_2 CI Sparsomycin N Н ŌН CI o^{HO} NO_2 ĊН3 H// N H N ŌΗ n = 1, Sparsochloramphenicol Hybrid A Н n = 2, Sparsochloramphenicol Hybrid B

FIG. 35